

Title (en)

Operating position select device adapted for automatic transmission

Title (de)

Positionwahleinrichtung für ein automatisches Getriebe

Title (fr)

Dispositif de sélection de position d'opération pour une transmission automatique

Publication

EP 1767830 A1 20070328 (EN)

Application

EP 06121066 A 20060921

Priority

JP 2005273023 A 20050921

Abstract (en)

An operating position select device (100) has a first connecting member (13) connected with a select lever (11), a mode shift unit (500) for shifting operation modes of an automatic transmission (5), a second connecting member (17) connected with the mode shift unit (500), the second connecting member (17) having a relative movable mechanism (171, 131, 32a, 32b; 8c, 8d) for allowing a limited movement relative to the first connecting member (13) and an assist actuator (2; 97), position sensing means (61, 62) sensing at least two positions among an operating position, an actuation position and their relative position, and a control unit (3) controlling the actuator (2; 97) based on the relative position. The control unit (3) has assist force suppressing means for suppressing the assist force when an assist control of the actuator (2; 97) is started based on a relative position variation due to a variation of the actuation position.

IPC 8 full level

F16H 61/32 (2006.01); **F16H 59/10** (2006.01); **F16H 61/24** (2006.01)

CPC (source: EP US)

F16H 59/10 (2013.01 - EP US); **F16H 61/32** (2013.01 - EP US); **F16H 61/24** (2013.01 - EP US); **F16H 2061/323** (2013.01 - EP US); **F16H 2061/326** (2013.01 - EP US); **Y10T 74/20018** (2015.01 - EP US)

Citation (applicant)

- JP 2003097694 A 20030403 - JATCO LTD
- EP 1571069 A1 20050907 - PEUGEOT CITROEN AUTOMOBILES SA [FR]

Citation (search report)

- [X] EP 1517069 A1 20050323 - CALSONIC KANSEI CORP [JP]
- [A] JP H0587237 A 19930406 - FUJI UNIVANCE KK
- [A] DE 19900820 A1 19990909 - LUK GETRIEBE SYSTEME GMBH [DE]

Cited by

DE102007037437A1; EP2023017A3; EP2023020A1

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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